

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 25, and 26 and cancel claim 28 as follows:



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(Currently Amended)

A display device for a vehicle having a seat,

comprising:

an assembly housing adapted to mount the display device for view by a passenger at a rear seat;

a receiver adapted to receive at least one of video and audio signals from at least two input sources; and

at least one wireless transmitter operatively coupled to said receiver, adapted to wirelessly transmit the signals from the at least two input sources to at least one wireless headphone set,

wherein said display device is adapted to reproduce the video signals for viewing by the passenger;

wherein the at least two input sources comprise one input source providing signals to one headphone and a second input source providing signals to a second head phone.

2. (Previously Amended) The display device according to claim 1, wherein the audio signals are at least one of radio frequency and infrared signals.

3. (Original) The display device according to claim 1, wherein said receiver receives an input signal from an external media source.

4. (Original) The display device according to claim 3, wherein the external media source includes at least one of a television tuner, a video cassette player (VCP), a compact disk (CD) player, a digital video disk (DVD) player, an AM/FM radio, a video game player, global navigation data, and e-mail.

5. (Original) The display device according to claim 1, further comprising signal processing facilities adapted to perform at least one of signal processing and signal conversion, with respect to at least one of the audio signals and the video signals.

6. (Original) The display device according to claim 5, wherein said signal processing facilities are adapted to perform at least one of digital signal processing, encoding, decoding, encrypting, decrypting, compressing, decompressing, analog-to-digital conversion (ADC), digital-to-analog conversion (DAC), and error correction.

7. (Original) The display device according to claim 1, wherein said display device employs one of a liquid crystal display (LCD), light emitting diodes (LEDs), and a gas plasma.

8. (Original) The display device according to claim 7, wherein said liquid crystal display is based upon one of active matrix technology and passive matrix technology.

9. (Original) The display device according to claim 1, wherein said display device employs touch screen technology.

10. (Original) The display device according to claim 1, wherein said display device includes one of picture-in-picture and split screen capability.

12. (Original) The display device according to claim 1, wherein said at least one wireless transmitter is adapted to wirelessly transmit the audio signals to the at least one wireless headphone set as a left audio channel and a right audio channel.

13. (Original) The display device according to claim 12, wherein the left audio channel and the right audio channel correspond to different frequencies.

14. (Original) The display device according to claim 1, wherein said at least one wireless headphone set comprises a plurality of wireless headphone sets, and said at least one wireless transmitter is adapted to wirelessly transmit the audio signals to each of the plurality of wireless headphone sets as a left audio channel and a right audio channel, each of the channels having a different frequency for each of the plurality of wireless headphone sets.

15. (Previously Amended) The display device according to claim 1, wherein the display device further comprises a video bus and an audio bus.

16. (Previously Amended) The display device according to claim 15, wherein said video bus is coupled to said display device and said audio bus is coupled to said at least one wireless transmitter.

17. (Original) The display device according to claim 1, wherein said at least one wireless transmitter comprises an optical transmitting device and the at least one wireless headphone set comprises a photosensitive device.

18. (Original) The display device according to claim 1, wherein said at least one wireless transmitter and the at least one wireless headphone set comprise an antenna.

19. (Original) The display device according to claim 1, wherein the at least one wireless headphone set comprises a digital-to-analog converter.

20. (Original) The display device according to claim 1, wherein said at least one wireless transmitter is adapted to transmit the audio signals based on Code-Division Multiple Access (CDMA) technology.

21. (Original) The display device according to claim 20, further comprising signal processing facilities, and wherein at least some CDMA operations are performed by said signal processing facilities.

22. (Original) The display device according to claim 20, wherein left audio channels and right audio channels of the audio signals are coded separately.

23. (Original) The display device according to claim 20, wherein the at least one wireless headphone set comprises a selector for selecting one of a plurality of audio signals for audio reproduction.

24. (Original) The display device according to claim 20, wherein the at least one wireless headphone set comprises at least one of a Walsh code generator and pseudo random number (PN) sequence generator for decoding the audio signals.

Cont.
25. (Currently Amended) A display device for a vehicle having a seat, comprising:

an assembly housing adapted to mount the display device for view by a passenger at a rear seat;

a video bus adapted to couple video signals from external media sources;

an audio bus adapted to couple audio signals from the external media sources;

and

at least ~~one~~ two wireless transmitters operatively coupled to said audio bus,

wherein a first wireless transmitter is adapted to wirelessly transmit the signals from [at least] one of the two input sources to a plurality of wireless headphone sets a first wireless headphone set,

wherein a second wireless transmitter is adapted to wirelessly transmit the signals from the other of the two input sources to a second wireless headphone set, and

wherein said display device is adapted to reproduce the video signals for viewing by the passenger.

26. (Currently Amended) A display device for a vehicle having a seat, comprising:

an assembly housing adapted to mount at the display device for view by a passenger at a rear seat;

a bus adapted to couple at least one of video and audio signals from each of at least two input sources; and

at least ~~one~~ two wireless transmitters operatively coupled to said bus,

wherein a first wireless transmitter is adapted to wirelessly transmit the signals from the [at least] one of the two input sources to at least one wireless headphone set a first wireless headphone set,

wherein a second wireless transmitter is adapted to wirelessly transmit the signals from the other of the two input sources to a second wireless headphone set, and

wherein said display device is adapted to reproduce the video signals for viewing by the passenger.

27. (Previously Added) The display device according to claim 1, wherein the at least two input sources comprise signals from a video signal generating device and signals from an audio signal generating device.

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28. (Cancelled) The display device according to claim 1, wherein the at least two input sources comprise one input source providing signals to one headphone and a second input source providing signals to a second head phone.
